

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-578 REV. H OR LATER  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

ICA-D350-578 REV. 3 OR OR LATER

REF. TCCA STC: SH93-4

REF. FAA STC: SR00028NY/SR00029NY

REF. EASA STC: 10016984

REF. ARGENTINA STC: CTS-0508.13(A)

REF. RUSSIA TC: CT107-350

## 1.0 PURPOSE

It has come to Dart's attention that the D350-578-015/-017/-115/-117 Bearpaw Installations could prevent the D2741 Blade that is installed on Dart D350-636-XXX Skidtube with Training Wearplates from contacting the ground and performing its intended function. Therefore, the purpose of this DSI is to introduce the DSI 9812-011 Shim Kit, which can be installed on Dart D350-636-XXX Skidtubes to ensure the D2741 Blade contacts the ground during landing.

**NOTE:** This DSI 9812-011 Shim Kit is not compatible with D350-636-XXX Skidtubes that have been modified with the Dart Float Extension per FAA STC SR00470LA, SR00645LA, or SR00831LA or with D350-636-XXX Skidtubes that have been modified with D350-636-111/-113 Glacier Wearplates.

## 2.0 PROCEDURE

To ensure the D2741 Blade on D350-636-XXX Skidtubes with Training Wearplates contacts the ground when D350-578-015/-017/-115/-117 Bearpaws are installed, install the DSI 9812-011 Shim Kit as follows.

**NOTE:** It is acceptable to install shorter or longer bolts if required. It is also acceptable to add washers if necessary.

- 2.1 Raise the aircraft to provide access to the bottom of the skidtube. Remove D2741 Blades from the aircraft per Section 32.5 of ICA-D350-636. Discard hardware.
- 2.2 Install a D5702-1 Shim in between the D3488-3/-4 or D3488-041/-042 Blade Fittings, LH/RH and D2741 Blades as shown in Figure 1 with the hardware provided. Torque nuts up to 480-690 in-lbs (54.2-78.0 N-m).
- 2.3 Update the Aircraft Log Book to indicate installation of the DSI 9812-011 Shim Kit and adjust Weight and Balance Record for the aircraft with the weight and balance data provided in Section 4.0 of this document.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO #01-O-01

APPROVED

BY:   
D. SHEPHERD (DE #02)

DATE: 18.10.31  
CERT. NO.: SH93-4  
ISSUE NO.: 10

APPROVED

A	NEW ISSUE; REF CAR18-275	RF	18.10.31
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9812	SHEET 1 OF 3
APPROVED	VS	TITLE	SCALE
DE APPR.	DS	BLADE SHIM ADDITION	NTS
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### 3.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9812-011	SHIM KIT
2	D5702-1	SHIM
4	AN8-24A	BOLT
4	MS21083N8	NUT
4	NAS1149F0863P	WASHER

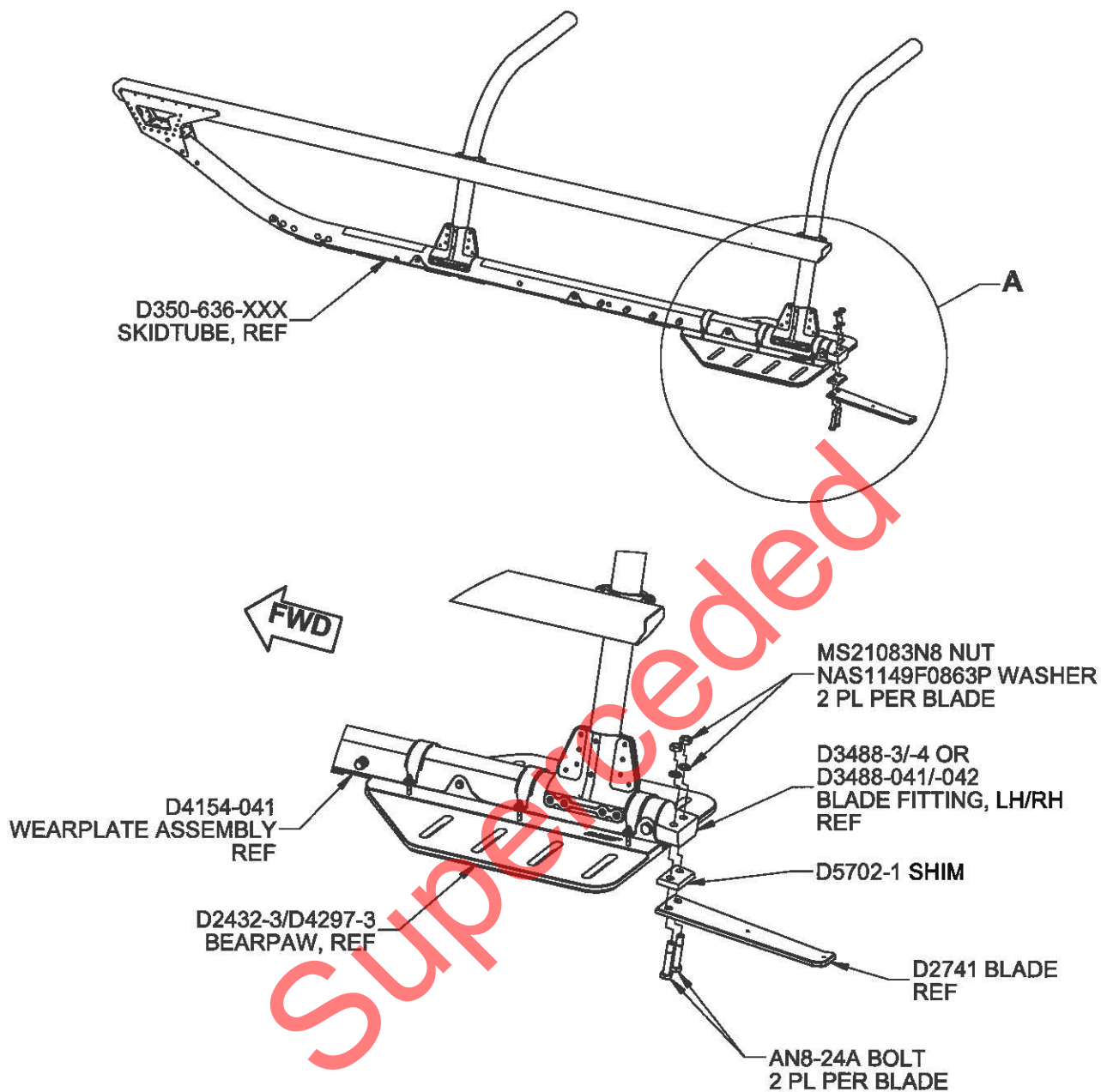
### 4.0 WEIGHT AND BALANCE:

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9812-011 SHIM KIT	0.46 lb 0.21 kg	+/- 0.0 in +/- 0.0 m	+/- 0 in-lb +/- 0.0 m-kg	169.9 in 4.32 m	78 in-lb 0.9 m-kg

Superseded

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DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
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MFG. APPR.	N/A	DSI 9812	SHEET 2 OF 3
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DE APPR.	DS	BLADE SHIM ADDITION	NTS
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### DETAIL A

**FIGURE 1 - D5702-1 SHIM INSTALLATION (TYPICAL)**

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